Ontario

Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

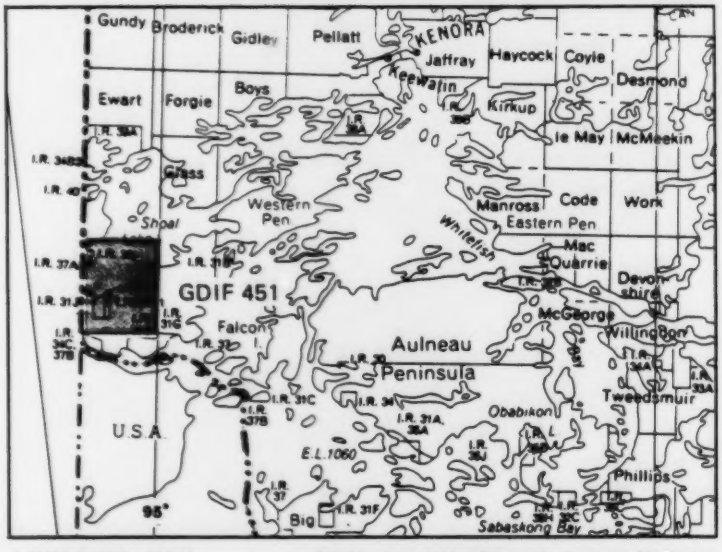
GDIF 451

MOOSIN BAY AREA

(52 E/6 NE)

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 52 E/6 NE

Mining Claim Map Number G - 2633 (M - 2687)

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA).

89-03505/

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1988: Moosin Bay Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 451, compiled by the staff of the Resident Geologist's Office, Kenora, 21p., 2 maps.

Original Compilation by: G. Vogg

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 5
Drill Hole Summary 6
Airborne Geophysical Survey Data 8
Geochemical Survey Data 9
Miscellaneous Data 10
Newspaper Clipping File 11
ODM General Index Search 12
Selected References 14
Notes and Addenda 20

ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

Moosin Bay Area

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	GV OCT 87
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 7 volumes	YES	GV OCT 87
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	GV OCT 87
6	ODM Industrial Mineral Reports	NO	GV OCT 87
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	GV OCT 87
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	GV OCT 87
9	Newspaper Clippings File	YES	GV OCT 87
10	GSC Index to Publications	YES	GV OCT 87
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	GV OCT 87
12	OGS Index Maps	YES	GV OCT 87
13	Source Mineral Deposit Records (O.G.S./MDIR's(O.G.S.)/NMI's(E.M.R.)	YES	GV OCT 87
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	GV OCT 87
16	ODM Geological Circulars: OGS Study Series	NO	GV OCT 87
17	ODM Preliminary Reports: ODM Bulletins	YES	GV OCT 87
18	ODM – OGS Open File Reports	YES	GV OCT 87
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	GV OCT 87
20	OGS Aggregate Resources Inventory Papers	NO	GV OCT 87
21	OGS Mineral Potential Maps	YES	GV OCT 87
22	Theses on File, Kenora	NO	GV OCT 87
23	Aerial Photos on File, Kenora	YES	GV OCT 87
24	Topographic Maps on File, Kenora		
	OBM Maps (1:20,000)	YES	GV OCT 87
	NTS Maps (1:50,000)	YES	GV OCT 87

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- ▲ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A_1	Popham - Byberg Occurrence (Magnet Point Syndicate - No.1 Showing) (JES 78 mining location)	Au,py	SMDR 001464	MDC 16, p.33	OGS map P.3084 OGS OFR 5242 p.101,102 Assessment files, Kenora 52 E/6 NE; B-1,B-2,D-1
A_2	Popham - Byberg Occurrence (Magnet Point Syndicate - No.2 Showing) (JES 78 mining location)	Au,py,cp,gn	SMDR 001464 MDIR K0084	MDC 16, p.33	OGS map P.3084 OGS OFR 5242, p.101,102 Assessment files, Kenora 52 E/6 NE; B-1,B-2
B_1	Black Fox Occurrence (E 285 mining location)	Au,py			OGS map P.3084 Assessment files, Kenora 52 E/11 SE; Q-1,Q-2,K-1
B_2	Black Fox Occurrence (MH 15 mining location)	py			OGS map P.3084
C	Unnamed	py,gn			OGS map P.3084
D	Unnamed	py			OGS map P.3084
E	Unnamed	py			OGS map P.3084
F	Unnamed	py			OGS map P.3084
G	Unnamed	py			OGS map P.3084
H	Unnamed	py			OGS map P.3084
I	Unnamed	py,cp			OGS map P.3084

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
J	Unnamed	py			OGS map P.3084
K	Unnamed	py			OGS map P.3084
L	Unnamed	cp			OGS map P.3084
M	Unnamed	py			OGS map P.3084
N	Unnamed	py			OGS map P.3084

Moosin Bay Area

TYPE OF WORK

Numbers below represent the year in which the work was done; e.g., 68 for 1968.

	EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	NEWS CLIPPING	MINING LOCATION SURVEY PLAN	
1	Popham-Olsen property 52 E/6 NE; B-1	37 47		37 47	38 48 50	38 48														
2	Popham-Olsen property (Magnet Point Syndicate) 52 E/6 NE; B-2	37 44 47		37	38	38												?		
3	Hudson Bay Exploration and Development Company Ltd. 52 E/7 NW; A-6												75							
4	Salem Exploration Ltd. 52 E/11 SE; G-1								66[1]											
5	Mickelson, A. 52 E/11 SE; Q-1		83			83														
6	Mickelson, A. 52 E/11 SE; Q-2	83																		
7	General File-Snowshoe Bay 52 E/11 SE; K-1					50													1898	

NOTE: [1]No anomalies identified - no information plotted on Data map.

5

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
1	Popham-Olsen property (Magnet Point Syndicate)	4	July/38	S50°E	-39°	10.0	136.5	"mineralized porphyry"	Au
2	Popham-Olsen property (Magnet Point Syndicate)	3	June?/38	S50°E	-45°	3.0	116.0	py	Au
3	Popham-Olsen property (Magnet Point Syndicate)	2	June/38	S50°E	-45°	5.0	74.3	"mineralized porphyry"	Au
3	Popham-Olsen property (Magnet Point Syndicate)	1	June/38	S50°E	-45°	7.0	132.0	py,gn	Au
4	Popham-Olsen property (H. Byberg)	3[1]	1948	N	?	?	?	?	Au
5	Popham-Olsen property (H. Byberg)	2[1]	1948	SW	?	?	?	?	?
5	Popham-Olsen property (H. Byberg)	1[1]	1948	SW	?	?	?	?	?
5	Popham-Olsen property (S. Cranston)	2[1]	1950	W	?	?	89.0	?	?
	Popham-Olsen property (S. Cranston)	1[1,2]	1950	?	?	?	?	?	?
6	Popham-Olsen property (S. Cranston)	3[1]	1950	E	?	?	40.0	?	?
6	Popham-Olsen property (S. Cranston)	4[1]	1950	E	?	?	26.0	?	?

NOTE: [1]No drill log available.
[2]Location unknown.

GDIF FORM NO. 3

Moosin Bay Area

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
4	By: Domonion Exploration Syndicate For: Salem Exploration Ltd.	Magnetic[1]	500 ft.	N-S	660 ft
	Also note 1972 airborne (EM?) geophysical survey for Hudson Bay Exploration & referenced in report (52 E/7 NW; A-6) - not submitted for assessment.		Development		
	NOTE: [1]No anomalies identified -	no information plotted on Data map.			

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
5	Lithogeochemistry	Al_2O_3, Fe_2O_3, CaO, MgO, Na_2O, K_2O, MnO, TiO_2, P_2O_5, Cu, Ni, Pb, Zn, Cd, Be, Zr, Th, Sr, Au, Ag	A. Mickelson	Assessment files, Kenora: 52 E/11 SE; Q-1

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No data on file for this area as of October, 1987.

Age dating is available for adjacent areas. Refer to OGS OFR 5592 accompanied by OGS map P.2843.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kenora

Magnet Point Syndicate

GDIF FORM NO. 7

Moosin Bay Area

ODM GENERAL INDEX SEARCH

Words searched: Black Fox Occurrence, Calm Bay, E 285, Elmo Island, Hudson Bay Exploration & Development Co. Ltd., JES 78, Mackey Island, Magnet Point Syndicate, MH 15, Moosin Bay, Northwest Angle Inlet, Popham-Byberg Occurrence, Salem Exploration Ltd., Shoal Lake, Stull Island

Index Volume	Listing:	Report Volume	Part	Page
3	Shoal Lake Reports on area by L. Greer	39	3	42-56
8	Salem Exploration Ltd. Shoal Lake area, Kenora District	MP 16		12
9	Northwest Angle Area, Kenora & Rainy River Dist. Report (quaternary) & map 5056 on, 1980 by D. R. Hallet & M. A. Roed	NOTS 36		
	Popham-Byberg Occurrence Shoal Lake area (S. Part), Kenora District	MDC 16		33

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West-Central Sheet	ODM map 2199	1" to 16 miles (1:1,013,760)
Beakhouse, G. P.	1980	Geology, Winnipeg River-English River Area, Manitoba and Ontario, map and notes	GSC Open File 652	1:125,000
Bell, R.	1881	Geological Map of Lake of the Woods and Adjacent Country	GSC map No.161	1" to 4 miles (1:253,440)
Blackburn, C. E.	1981	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series	OGS map 2443	1" to 4 miles (1:253,440)
Davies, J. C.	1965	Lake of the Woods Sheet, District of Kenora	ODM map P.281	1" to 2 miles (1:126,720)
Davies, J. C., Pryslak, A. P.	1967	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series	ODM map 2115	1" to 4 miles (1:253,440)
Easton, R. M.	1986	Geochronology Compilation Map for Ontario Sheet 4, West-Central Ontario, All Isotopic Systems	OGS map P.2843	1" to 16 miles (1:1,013,760)
Gordon, J. B.	1977	Gold Deposits of Ontario, West-Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane. Mineral Deposits Series.	OGS map P.1227	1" to 16 miles (1:1,013,760)

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Lawson, A. C.	1887	Geologic and Topographical Map of the Northern Part of the Lake of the Woods and Adjacent Country	GSC map No.227	1" to 2 miles (1:126,720)
Morrice, M. G. Wilson, H. D. B.	1980	Volcanic Stratigraphy of the Kenora-Dryden Area, Ontario, maps and notes	GSC Open File 695	1:250,000
OGS	1985	Ontario Mineral Map	OGS map 2472	1" to 25 miles (1:1,584,000)
OGS	1986	Geological Highway Map, Northern Ontario	OGS map 2506	1:1,600,000
Tanton, T. L.	1939	Kenora Sheet, Ontario. Canada Department of Mines and Resources	GSC map No.266A	1" to 8 miles (1:506,880)
		GEOPHYSICAL MAPS		
GEO-ANALYSIS LTD.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada	OF 82-12 (Image 3125, Map 1)	1:250,000
MDMNR-ODM-GSC	1967	Berry Point, Manitoba-Ontario, NTS Sheet 52 E/6, Geophysics Paper 1190, Aeromagnetic Series	MDMNR-ODM-GSC map 1190G	1" to 1 mile (1:63,360)
OGS-GSC	1977	Airborne Gama-Ray Spectrometry Survey, Kenora Sheet, Districts of Kenora and Rainy River, Geophysical Series	Preliminary Maps P.1355 - P.1389	1" to 4 miles (1:253,440)
GSC	1984	Airborne Gama-Ray Spectrometric Maps, Lake of the Woods, Manitoba-Ontario (Sheet 35552G)	GSC Open File 1067	1:1,000,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Hallett, D. R., Roed, M. A.	1980	Northwest Angle Area, Districts of Kenora and Rainy River. Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5056	OGS NOEGTS 36	1:100,000
Sado, E. V., Carswell, B. F.	1987	Surficial Geology of Northern Ontario	OGS map 2518	1:1,200,000
Zoltai, S. C.	1965	Surficial Geology, Kenora-Rainy River. Ontario Department of Lands and Forests	map S 165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Robertson, J. A., Vos, M. A., Springer, J. S.	1976	Mineral Potential Map of Ontario, West-Central Sheet, Mineral Deposits Series	ODM map P.1098	1" to 16 miles (1:1,013,760)
Springer, J. S.	1978	Ontario Mineral Potential, Kenora Sheet. Mineral Deposits Series	OGS map P.1531	1:250,000
Springer, J. S., Robertson, J. A., Vos, M. A.	1982	Mineral Potential Map of Ontario, West-Central Sheet (Accompanied by one overlay)	OGS OFR 5326	1" to 16 miles (1:1,013,760)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Beard, R. C. Garrett, G. L.	1976	Gold Deposits of Kenora-Fort Frances Area, Districts of Kenora and Rainy River. Accompanied by Chart A	ODM MDC 16	1" to 4 miles (1:253,440) p.33
Bell, R.	1883	Appendix II on the Geology of the Lake of the Woods and Adjacent Country. Accompanied by GSC map No.161	GSC, Report of Progress 1880-82, Vol.7	1" to 4 miles
Blackburn, C. E., Bond, W. D., Breaks, F. W., Davis, D. W., Edwards, G. R., Poulsen, K. H., Trowell, N. E., Wood, J.	1985	Evolution of Archean Volcanic-Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review; in Evolution of Archean Supracrustal Sequences, GAC Special Paper 28, edited by Ayres, L. D., Thurston, P. C., Card, K. D., Weber, W.	GAC Special Paper 28	p.89-116
Davies, J. C.	1978	Geology of the Shoal Lake-Western Peninsula Area	OGS OFR 5242	p.101-012
Goodwin, A. M.	1965	Preliminary Report of Volcanism and Mineralization in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario. Accompanied by map "Structural Geology of the Lake of the Woods-Manitou Lake-Wabigoon Region, Districts of Kenora and Rainy River"	ODM PR 1965-2	1" to 4 miles (1:253,440) 63 pages

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Goodwin, A. M.	1970	Archean Volcanic Studies in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario	ODM OFR 5042	47 pages
Greer, L.	1931	Geology of the Shoal Lake (West) Area; in Ontario Dept. of Mines Annual Report for 1930. Accompanied by map 39e "Shoal Lake Area, Lake of the Woods, District of Kenora, Ontario"	ODM AR Vol.39, Part 3	1" to 1 mile (1:63,360) p.42-56
Lawson, A. C.	1885	Report on the Geology of the Lake of the Woods Region with Special Reference to the Keewatin (Huronian?) Belt of Archean Rocks; in Geological Survey of Canada Annual Report for 1884 and 1885.	GSC AR Vol.1 Part CC	151 pages
Mackasey, W. O., Blackburn, C. E., Trowell, N. E.	1974	A Regional Approach to the Wabigoon-Quetico Belts and its Bearing on Exploration in Northwestern Ontario	ODM MP 58	29 pages
Morrice, M. G.	1986	Geology of the Northwest Angle Inlet Area, Lake of the Woods, District of Kenora; in Summary of Field Work and Other Activities, 1986	OGS MP 132	p.41-46
Morrice, M. G., MacMaster, G. A.	1987	Precambrian Geology of the Northwest Angle Inlet Area, District of Kenora	OGS map P.3084.	1" to 1/4 mile (1:15,840)
Neilson, J. N., Bray, R. C. E.	1981	Feasibility of Small Scale Gold Mining in Northwestern Ontario (parts of the Districts of Kenora, Rainy River and Thunder Bay)	OGS OFR 5332, Vol.1	p.25,27
Riley, R. A., King, H. L., Kustra, C. R.	1971	Mineral Exploration Targets in Northwestern Ontario	ODM MP 47	72 pages

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

(compiled from index maps only)

	Roll	Line	Photo Numbers
1982, scale 1" to ¼ mile (OGS)			
	63	4916	51 - 60
	19	4917	61 - 68
	19	4918	140 - 147
	21	4919	3 - 10
	24	4920	30 - 38
	24	4921	104 - 111
1974, scale 1" to 1 mile (EMR)			
		A23704	177 - 180*
		A23700	177 - 120*

*Photographs on file in Resident Geologist's Office, Kenora.

TOPOGRAPHIC MAPS

Ontario Base Map Series (scale 1:20,000)

20	15	3400	54700
20	15	3400	54800
20	15	3500	54700
20	15	3500	54800

National Topographic System (scale 1:50,000)

52 E/6 Berry Point Sheet

NOTES AND ADDENDA

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Popham-Byberg Occurrence
   (Magnet Point Syndicate)
   (JES 78)

2. Black Fox Occurrence
   (E 285 and MH 15)

49° 30' 00"

95° 15' 00"

Shoal Lake IR No 39

Calm Bay

5,6

7

5,6

1,2

4

Mackey I

5

7

6

Black Fox Is

BOY

UNIT

Berry Pt

Shoal Lake IR No 37A

S H O A L

L A K E

Elmo I

Elmo Pt

Moosin Boy

MINAKI

MINAKI

MAN

UNIT

BOUNDARY

Shoal Lake IR No. 31J

Shoal Lake IR No 34B

ITOBA

ARIO

49° 30' 00"

95° 00' 00"

Lake 39

Calm Bay

5,6

7

5,6

1,2

4

Mackey I

5

7

6

Black Fox Is

Stull I.

S H O A L

L A K E

BOUNDARY

UNIT

MAN

Elmo I

Elmo Pt

Moosin Bay

MINAKI

BOUNDARY

MAN

UNIT

Shoal Lake I R No. 31 J

Shoal Lake I R No. 34 B

Cr

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 451

(Map 1 of 2)

MOOSIN BAY AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

MINAKI

MAN

UNIT

BOUNDA

MOOSIN

Shoal Lake
I R No. 31 J

Shoal Lake
I R No 34 B

PROVINCE of MANITOBA
PROVINCE of ONTARIO

Northwest Angle
I R Nos
37 B & 34 C

Northwest
Angle
Inlet
of
Lake of the Woods

Angle

Northwest

95° 15'

49° 22' 30"

MAN.

UNIT

BOUND

Moosin

Shoal Lake
I R No. 31 J

Shoal Lake
I R No 34 B.

Cr

Angle

3

hwest Angle
I R Nos
7B 8 34C

of the Woods

Northwest

NORTHWEST ANGLE
I R No 33B

95° 00' 00"

49° 22' 30"

EXPLORATION DATA FILE AREAS

- ■ ① ⑥ — Reference number is usually inside work area outlined. See listing in text pages.
- □ x ④ — Small area exploration.
- □ ★ — File covers whole township or area

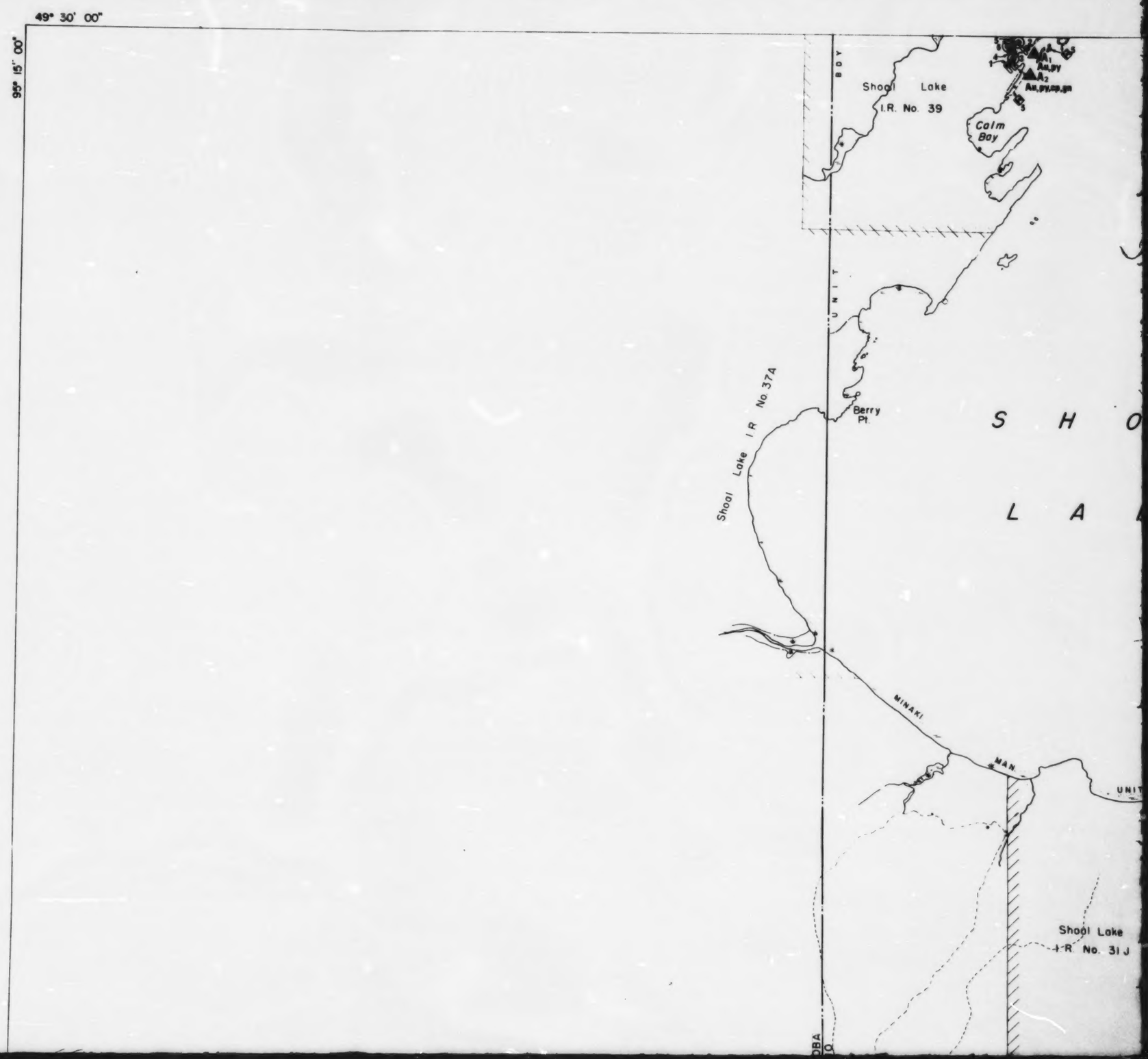
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ■ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ –AM– — Airborne magnetic anomaly
- ☐ — Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ –ARA– — Airborne radiometric anomaly
- ☐ –M– — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ –RA– — Ground radiometric anomaly
- ☐ –IP– — Induced polarization anomaly
- ☐ –SP– — Self potential anomaly
- ☐ –AFMAG– — Audio-frequency magnetic anomaly (total intensity)
- ☐ –R– — Resistivity anomaly
- ☐ –GR– — Gravity anomaly



Shoal Lake
I.R. No. 39

Calm Bay

Au,py

A_1

A_2

Au,py,sp,gn

Mackey I

B_1 Au,py

B_2 py

Black Fox Is

Stull I.

BOY

UNIT

Shoal Lake I R No. 37A

Berry Pt.

S H O A L

L A K E

Elmo I

C py,gn

Elmo Pt.

MANI

UNIT

MINAKI

MAN

UNIT

BOUNDARY

Moosin Bay

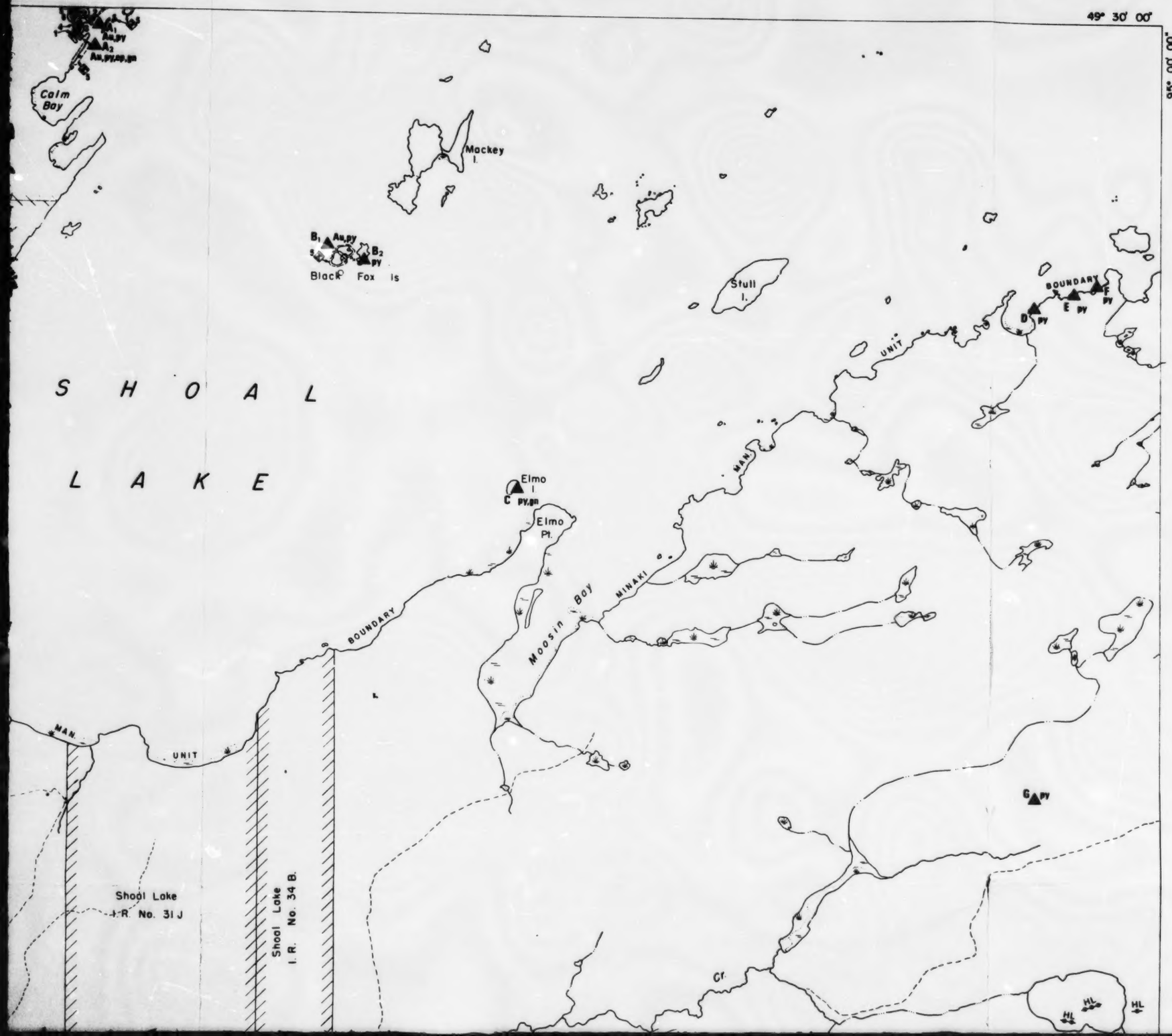
MINAKI

Shoal Lake
I.R. No. 31 J

Shoal Lake
I. R. No. 34 B.

ITOBA
ARIO

Cr.



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 451

(Map 2 of 2)

MOOSIN BAY AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

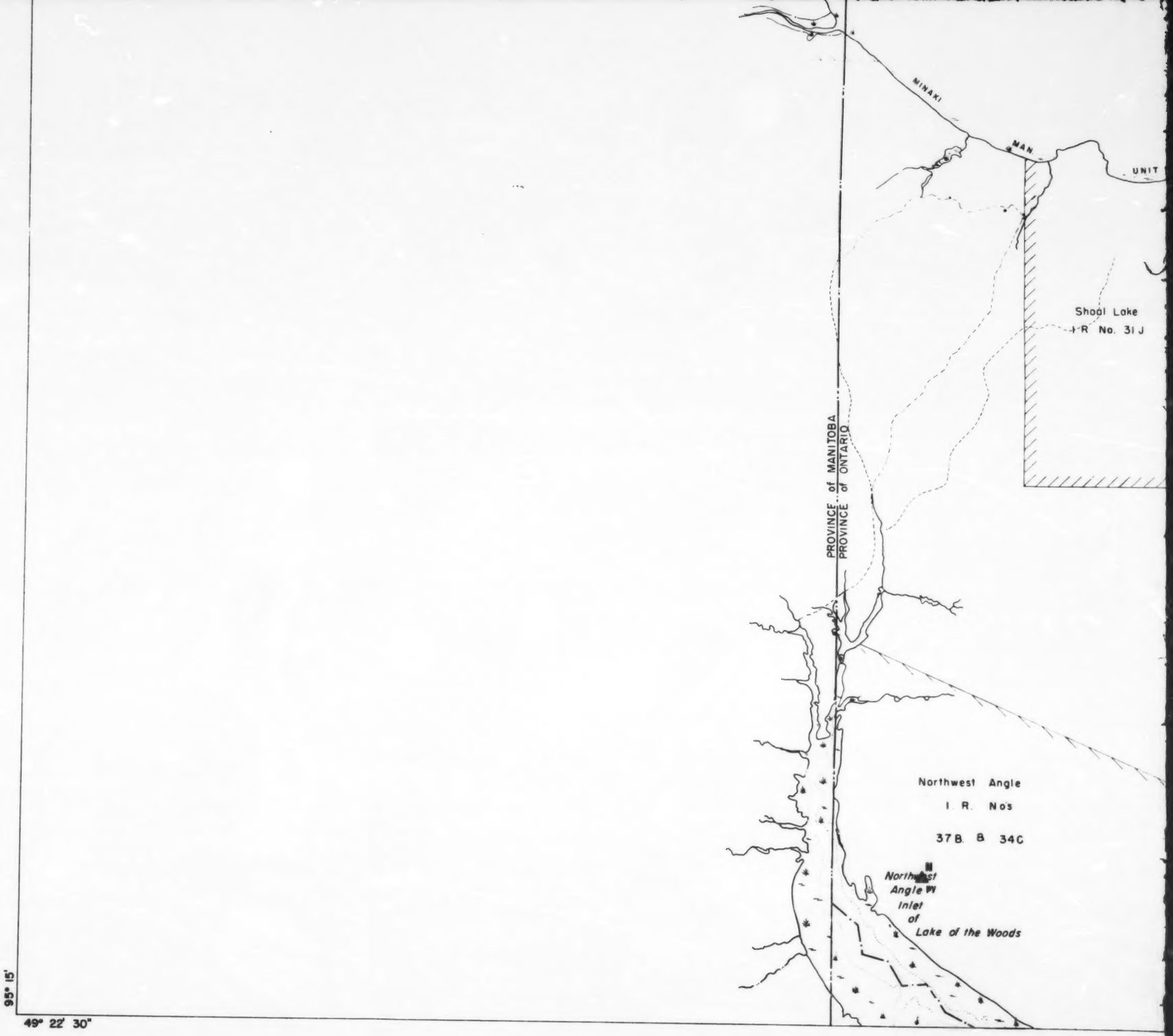
- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number.

- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ -ARA- Airborne radiometric anomaly
- ☐ -M- Ground magnetic anomaly
- ■ -VL- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ -RA- Ground radiometric anomaly
- ☐ -IP- Induced polarization anomaly
- ☐ -SP- Self potential anomaly
- ☐ -AFMAG- Audio-frequency magnetic anomaly
  (total intensity)
- ☐ -R- Resistivity anomaly
- ☐ -GR- Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



MINAKI

MAN.

UNIT

BOUNDARY

Moosin Bay

MIN

Shool Lake
I R No. 31 J

Shool Lake
I. R. No. 34 B.

PROVINCE of MANITOBA
PROVINCE of ONTARIO

Northwest Angle
I. R. No's
37 B. & 34 C

Northwest Angle Inlet of Lake of the Woods

Angle Cr

Northwest

NORTHWEST ANGLE
I. R. No 33 B

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

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- □ Ag △ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp ▬ A. — Mineralized float with reference letter
- □ △ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number.

DRILLHOLES

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- □ ◡ — Property with underground drillholes in this general area, with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕² — Reverse circulation drillhole; churn drilling, with reference number

BOUNDARY

MAN.

UNIT

Shoal Lake I.R. No. 31 J

Shoal Lake I.R. No. 34 B.

Moosin Bay

MINA

GAPY

Cr

Angle

Northwest

M py

H py

L cp

I py,cp

J py

K py

HL

NORTHWEST ANGLE

I.R. No 338

st Angle

R. Nos

& 34C

the Woods

95° 00' 00"

49° 22' 30"